

Title (en)  
Estimating a leakage flow

Title (de)  
Schätzung einer Verlustströmung

Title (fr)  
Estimation du débit de fuite

Publication  
**EP 2368593 A1 20110928 (EN)**

Application  
**EP 10158040 A 20100326**

Priority  
EP 10158040 A 20100326

Abstract (en)  
The invention relates to a medical device 100 for estimating a leakage flow 160 that occurs during ventilation of a patient 120, the medical device comprising a first estimation unit 101 arranged for estimating the leakage flow in dependence on a measured airway pressure and a leakage parameter, a second estimation unit 102 arranged for estimating a patient airway flow 170 in dependence on the leakage flow and a measured ventilation flow 150, an adjustment unit 103 arranged for adjusting the leakage parameter in dependence on the patient airway flow to provide an adjusted leakage parameter, and a third estimation unit 104 arranged for re-estimating the leakage flow in dependence on the adjusted leakage parameter.

IPC 8 full level  
**A61M 16/00** (2006.01)

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**A61M 16/026** (2017.07); **A61M 2016/0021** (2013.01); **A61M 2016/0036** (2013.01); **A61M 2205/15** (2013.01)

Citation (applicant)  
US 2007144522 A1 20070628 - EGER MARCUS [DE], et al

Citation (search report)  
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US9802016B2; US11389608B2; US11027081B2; EP3549628A1; WO2013120690A1; WO2013152403A1

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